| In | idex | of | Cla | aim: | S |
|----|------|----|-----|------|---|
|    |      |    |     |      |   |

| Application/Control No |
|------------------------|
|------------------------|

10/791,510

SHIN ET AL.

Applicant(s)/Patent under Reexamination

Examiner

Art Unit

Linh T. Nguyen

2627

| <b>√</b> | Rejected |
|----------|----------|
| -        | Allowed  |

(Through numeral) Cancelled

Non-Elected N

Appeal

Restricted

Interference

0 Objected

| Cla          | aim      | Date   |          |  | С  | Cłaim Date                                       |  |            |                 |          |          |           |  |                 | Cla       | aim           | Date              |          |              |   |    |          |            |           |          |         |              |  |          |           |        |
|--------------|----------|--|----------|--|--|--|--|------------|-----------------|----------|----------|-----------|--|-----------------|-----------|---------------|-------------------|----------|--------------|---|----|----------|------------|-----------|----------|---------|--------------|--|----------|-----------|--------|
| Final        | Original | 12/8/06  |          |  |  |  |  |            |                 |          | Final    | Original  |  |                 |           |               |                   |          |              |   |    | Final    | Original   |           |          |         |              |  |          |           | '      |
|              | 1        | =  | $\vdash$ | <del>                                     </del> |  | <del>                                     </del> | <u> </u>   |            |                 | П        | <b>-</b> | 51        | 1-   |                 | $\exists$ | _             | $\dashv$          | $\dashv$ | 十            | +-  | 1  |          | 101        |           | +        | +       | 1            | -  |          | $\neg$    | -      |
|              | 2        | =  |          |  |  | ╁  | <del>                                     </del> |            |                 | $\Box$   | -        | 52        | <u>†                                      </u> | Н               |           |               | $\neg \dagger$    | 十        | 十            | _   | 1  |          | 102        |           | _        | +       | $\vdash$     | H  |          |           | $\neg$ |
|              | 3        | =  | 1        |  |  | ┢  | <u> </u>   |            | П               | П        |          | 53        |  | П               |           |               | $\neg$            | 十        | 十            | _   | 1  |          | 103        |           | _        | 十       | 1            |  |          |           | _      |
|              | 4        | Ξ  |          |  | Т  |  |  |            |                 |          |          | 54        |  | П               |           |               | $\dashv$          | 1        | 1            |   | 1  |          | 104        |           |          | 1       | Т            |  |          | T         | _      |
|              | 5        | =  | _        |  |  | T  |  |            |                 |          |          | 55        | Г  |                 |           |               | 一                 | T        |              |   | 1  |          | 105        |           |          | 1       | T            |  |          | $\exists$ | _      |
|              | 6        | =  |          |  |  |  |  |            |                 |          |          | 56        |  |                 |           |               |                   |          |              |   |    |          | 106        |           |          |         |              |  |          |           |        |
|              | 7        | =  |          |  |  |  |  |            |                 |          |          | 57        |  |                 |           |               |                   |          |              |   |    |          | 107        |           |          |         |              |  |          |           |        |
|              | 8        | =  |          |  |  | L  | L  |            |                 |          |          | 58        |  |                 |           |               |                   |          |              |   |    |          | 108        |           |          |         |              |  |          |           |        |
|              | 9        | =  | <u> </u> | _  | _  |  | _  |            |                 |          |          | 59        | _  | Ш               |           |               | _                 |          |              |   | 1  |          | 109        |           |          | _       |              |  |          |           |        |
|              | 10       | =  | L_       |  | _  |  | L  |            | Ш               | _        |          | 60        |  | Ш               |           |               |                   |          |              |   | 1  |          | 110        |           |          | ╄       | $oxed{oxed}$ |  |          | $\Box$    |        |
| <u> </u>     | 11       | =  | <u> </u> |  | _  | <b> </b>   | <del> </del>                                     | <u> </u>   | Ш               | _        |          | 61        | _  | Ш               |           |               | $\perp$           | $\perp$  | $\perp$      |   | 1  |          | 111        |           | -        | 4_      | <u> </u>     |  | Ш        | $\sqcup$  |        |
| ļ            | 12       | =  | <u> </u> | -  | <u> </u>   | <u> </u>   | ــــ   | <b>—</b>   | Ш               | $\sqcup$ |          | 62        | ـ  | Ш               |           |               | $\dashv$          | 4        | $\perp$      |   | 1  |          | 112        |           | _        | 4       | _            | Ш  | Ш        |           |        |
| ļ            | 13       | =  | <u> </u> |  | <u> </u>   | ₩  | $\vdash$   |            | Щ               | _        |          | 63        | ₩  | $\vdash \dashv$ |           |               |                   | _        | $\perp$      |   | ļ  |          | 113        |           | $\perp$  | 4       | <del> </del> | <b> </b>   | Ш        |           |        |
| <u> </u>     | 14       | =  | <u> </u> |  | ├  | ⊢  | -  | $\vdash$   | Н               |          |          | 64        | ┼  | Н               |           | -             | -                 | -        | -            | -   | ł  |          | 114        |           |          | +       | ┞-           | H  | Щ        | $\dashv$  |        |
|              | 15<br>16 | =  | -        |  | ⊢  | ╀  | ┝  | -          | Н               | -        |          | 65<br>66  | ╀  | $\vdash$        |           |               | -+                | +        | -            |   | ┨  |          | 115        | $\dashv$  |          | ╁       | 1            |  |          | $\dashv$  | _      |
| <u> </u>     | 17       | =  | -        | <u> </u>   |  | ⊢  | <u> </u>   | $\vdash$   | $\vdash$        |          |          | 67        | ┼  |                 | -         |               |                   | +        | +            | +   | ┨  | $\vdash$ | 116<br>117 | -         | -        | ╀       | ╁            | ⊢  |          | -         | _      |
| <u> </u>     | 18       | =  | -        | -  | $\vdash$   |  | ├  | $\vdash$   | $\vdash$        | $\vdash$ |          |           | -  | $\vdash$        |           | -             | -                 | +        | +            |   | 1  |          | 117        | $\dashv$  | $\dashv$ | ╁       | ╁            | ┢  |          | $\dashv$  | _      |
| <u> </u>     | 19       | =  |          | <b>-</b>   | -  | -  | -  |            | $\vdash$        | $\dashv$ |          | 68<br>69  | ┢  | Н               | -         | $\dashv$      | $\dashv$          | +        | +            | ┿   | ł  |          | 119        | $\dashv$  | -        | +       | ╀            | $\vdash$   | $\vdash$ | $\dashv$  | _      |
| <del> </del> | 20       | =  | _        | -  |  | ⊢  | ⊢  | ┝          | Н               | $\vdash$ |          | 70        | ⊢  | $\vdash$        |           | -             | -+                | +        | +            | +   | 1  |          | 120        | $\dashv$  |          | ┿       | -            | -  |          | $\dashv$  |        |
| <b></b>      | 21       | =  | H        | ├  | ├-   | ├  | ╁  | $\vdash$   | Н               | $\dashv$ | _        | 71        | ╁  |                 | $\dashv$  |               | -+                | +        | +            | +   | ┨  |          | 121        | $\dashv$  |          | +       | ╀            | -  | -        | $\dashv$  |        |
| ├            | 22       | ┝  |          | $\vdash$   | <del> </del>   | $\vdash$   | <del> </del>                                     | $\vdash$   | Н               | -        |          | 72        | ╁╾   | $\vdash$        | $\dashv$  | -+            | -+                | +        | +            | +   | ┨  |          | 122        | -+        | +        | +       | -            | $\vdash$   | -        | -         | _      |
| <u> </u>     | 23       | ┢  | -        | $\vdash$   | _  |  | 一  | ┢          | Н               | -        |          | 73        | H  | $\vdash$        |           | $\dashv$      | -                 | +        | -+           | $\dashv$  | 1  | $\vdash$ | 123        |           | +        | ┿       | ╁╌           | ┢  | -        | $\dashv$  | _      |
| <u></u>      | 24       | $\vdash$   | -        | <u> </u>   | ┝  |  | $\vdash$   | ╁─╴        |                 | $\dashv$ |          | 74        | $\vdash$                                       |                 |           | $\dashv$      | -                 | +        | +            | +   | ┨  | -        | 124        | $\dashv$  | +        | ╁       | -            | H  |          | $\dashv$  | _      |
| <u> </u>     | 25       | -  | ┢        | <del>                                     </del> | $\vdash$   | ├─   | ┢  | $\vdash$   | Н               | $\dashv$ |          | 75        | <del> </del>                                   |                 | $\dashv$  | -             | $\dashv$          | +        | +            | +   | ┨  |          | 125        |           | +        | +       | ╁╌           | H  | $\vdash$ | $\dashv$  | _      |
|              | 26       | $\vdash$   | $\vdash$ | H  |  |  | <del>                                     </del> | ├-         | Н               | $\dashv$ |          | 76        | -  | H               | $\dashv$  | $\dashv$      | $\dashv$          | +        | +            | ╫   | 1  |          | 126        | -         |          | +-      | $\vdash$     | ╁  | $\vdash$ | $\dashv$  |        |
|              | 27       | $\vdash$   | _        |  | _  | _  | 一  | $\vdash$   |                 |          | -        | 77        | -  | Н               | $\dashv$  | $\neg$        | 十                 | +        | +            | +   | 1  | $\vdash$ | 127        | $\dashv$  | +        | 十       | +-           | <del> </del>                                     | -        | $\dashv$  | _      |
|              | 28       |  | _        | _  | _  | _  | 一  | $\vdash$   |                 | _        |          | 78        | Ħ  | Н               | $\neg$    | $\dashv$      | 十                 | +        | +            | $\top$  | 1  |          | 128        |           | _        | +       | 1            |  | Н        | $\dashv$  | _      |
|              | 29       |  |          |  |  | 1  |  |            |                 | $\neg$   |          | 79        | $\vdash$                                       |                 |           |               | 十                 | _        | _            | $\top$  | 1  |          | 129        |           | $\dashv$ | $\top$  | $\vdash$     | 1  | П        | $\exists$ | _      |
|              | 30       |  |          |  |  |  | T  | <b>-</b>   |                 | $\neg$   |          | 80        |  | $\Box$          |           | 寸             | 寸                 | +        | _            | $\top$  | 1  |          | 130        |           | _        | $\top$  | $\vdash$     | <del>                                     </del> | $\Box$   | $\exists$ | _      |
|              | 31       |  |          |  |  |  |  |            |                 |          |          | 81        |  |                 |           |               |                   |          |              |   | 1  |          | 131        |           |          |         | 1            |  |          |           |        |
|              | 32       |  |          |  |  |  |  |            |                 |          |          | 82        |  |                 |           | T             |                   |          | $\top$       |   | 1  |          | 132        |           |          | $\top$  |              | T  |          |           | _      |
|              | 33       |  |          |  |  |  |  |            |                 |          |          | 83        |  |                 |           |               |                   |          |              |   | ]  |          | 133        |           |          |         |              |  |          |           | _      |
|              | 34       |  |          |  |  |  |  |            |                 |          |          | 84        |  |                 |           |               |                   | $\Box$   | $\Box$       | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | ]  |          | 134        |           |          | Ι       |              |  |          |           | _      |
|              | 35       |  |          |  |  |  |  |            |                 |          |          | 85        |  |                 |           |               |                   |          | $oxed{oxed}$ |   |    |          | 135        |           |          |         |              |  |          | $\Box$    |        |
|              | 36       |  |          | $\Box$   |  |  | 匚  |            | Ш               |          |          | 86        |  | Ш               |           |               | $oldsymbol{\bot}$ | $\perp$  |              |   | ]  |          | 136        |           |          |         |              |  |          |           |        |
|              | 37       | _  |          |  |  |  |  |            |                 |          |          | 87        |  |                 |           |               | $\Box$            | $\perp$  | $\perp$      |   | ]  |          | 137        |           |          | $\perp$ |              | $\Box$   |          | $\Box$    |        |
|              | 38       | _  | _        | L  | $ldsymbol{ld}}}}}}$ | L.   | <u></u>  | L          |                 | $\Box$   |          | 88        |  | Ш               |           |               |                   |          | $\perp$      |   | 1  |          | 138        |           |          | 1       | 1            | $\Box$   | Ш        | ┙         |        |
|              | 39       | <u> </u>   | L.,      | ļ  |  | <u> </u>   | <u> </u>   | Ь.         | Ш               | _        |          | 89        |  | Ш               |           |               | $\perp$           |          |              |   | 1  | <u> </u> | 139        |           | _ _      | $\perp$ | <u> </u>     | $oxed{oxed}$                                     | Ш        | $\dashv$  |        |
|              | 40       | <u> </u>   | <u> </u> |  |  | ļ  | _  | lacksquare | Щ               | _        |          | 90        | <u> </u>                                       |                 |           |               | _                 | 4        | $\perp$      |   | 1  |          | 140        |           | $\perp$  | 4_      | 1            | Ш  | Ш        | $\dashv$  | _      |
| L            | 41       | <u> </u>   | <b> </b> | <u> </u>   | _  | <b>!</b>   | L  | $\vdash$   | Щ               | _        | <u> </u> | 91        | <u> </u>                                       |                 |           | _             | _                 | 4        | $\perp$      |   | 1  |          | 141        |           |          | _       | <u> </u>     |  | Ш        |           |        |
|              | 42       | <u> </u>   |          | _  | _  | -  | <u> </u>   | $\vdash$   |                 | $\dashv$ |          | 92        | ļ  | $\vdash$        |           |               | -                 | 4        | $\dashv$     | - -   | 1  |          | 142        |           |          | -       | ـ            | $\vdash$   | Ш        | _         |        |
|              | 43       | <u> </u>   | <b> </b> | _  | <u> </u>   | ├  | ⊢  |            | $\vdash$        | $\dashv$ |          | 93        | ļ  | -               | _         | _             | -                 | +        | $\perp$      | -   | 1  |          | 143        | $\vdash$  | _        | ╄-      | ╀            | <b> </b>   |          |           |        |
| <u> </u>     | 44       | <u> </u>   | $\vdash$ | $\vdash$   | <u> </u>   | <u> </u>   | <u> </u>   | $\vdash$   | $\sqcup$        |          |          | 94        |  |                 |           |               | -                 | -        | -            | +-  | 1  | $\vdash$ | 144        | $\square$ | $\perp$  | +       | 1            | $\vdash$   |          | _         |        |
|              | 45       | <u> </u>   | $\vdash$ | $\vdash$   | -  | ļ  | <del> </del>                                     | -          | $\sqcup$        | $\dashv$ | -        | 95        | <del> </del>                                   | $\vdash$        |           |               | -                 | -        | -            | +-  | 1  |          | 145        |           |          | $\perp$ | 1            |  | Ш        | _         |        |
| ļ            | 46       | ├  | ├—       | <u> </u>   | <u> </u>   | ├—   | ⊢-   | $\vdash$   |                 | $\dashv$ | -        | 96        | -  | $\vdash$        |           | $\rightarrow$ | $\dashv$          | +        | +            | -   | 1  | $\vdash$ | 146        |           |          | 4-      | 1            | <b> </b>   | $\vdash$ |           |        |
|              | 47       | <del> </del>                                     |          | <u> </u>   | ├  | -  | $\vdash$   | $\vdash$   | $\vdash\vdash$  | $\dashv$ | -        | 97        | -  | $\vdash$        | -         | _             | +                 | +        |              |   | 1  |          | 147        |           |          | +       | +-           | -  | Н        |           |        |
| Ļ            | 48<br>49 | <del>                                     </del> | $\vdash$ | $\vdash$   | -  | ├-   | ├  | -          | Н               | $\dashv$ | -        | 98        | $\vdash$                                       |                 |           | -             | $\dashv$          | +        | +            | —   | 1  | $\vdash$ | 148        | $\dashv$  |          | +-      | +-           | -  | $\vdash$ | -         |        |
| <del> </del> | 50       | ⊢  | $\vdash$ | $\vdash$   | ├-   | $\vdash$   | ├-   | -          | $\vdash \vdash$ | $\dashv$ |          | 99<br>100 | $\vdash$                                       | $\vdash$        |           |               | $\dashv$          | +        | +            | -   | 1  | $\vdash$ | 149        | -         |          | +       | $\vdash$     | $\vdash$   | Н        | $\dashv$  | _      |
| L            | _ ⊃U     |  |          |  |  | <u>L</u> .                                       | <u>l</u>   | l          | ıl              |          | 1        | 100       | 1  | 1               |           | - 1           |                   | - 1      | - 1          | - 1   | L. | L        | 150        |           |          | 1       | 1            |  |          |           |        |